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**BASKAR et al.**(10) **Pub. No.: US 2021/0130759 A1**(43) **Pub. Date: May 6, 2021**(54) **METHOD OF CULTURING EUKARYOTIC CELLS**

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(57)

**ABSTRACT**

An apparatus and method to maintain pH within a range conducive for cell growth in a bicarbonate-containing cell culture system without the addition of base. The method relies on the gas transfer characteristics of the bioreactor system to modulate the CO<sub>2</sub> transfer to and from the cell culture such that the pH of the cell culture can be maintained within a desired range.

